



State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION

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ERRU-662-95

December 20, 1995

Mr. Dave Hartshorn
Jumbo Mining
P.O. Box 999
Delta, Utah 84624

RE: Underground Storage Tanks (USTs) at Drum Mine, 32 Miles NW of Delta, Utah
Facility ID.#2000244, Tanks #1 (4,000 gallon unleaded) and #2 (2,500 gallon waste oil)

Dear Mr. Hartshorn:

A review of the information you have submitted in the closure notice received on December 11, 1995, for the above referenced underground storage tanks, indicates that no corrective action is required at the site at this time. The information you have submitted indicates that any detectable petroleum contamination at the site complies with state underground storage tank rules. Based upon these rules there appears to be no threat to human health or the environment.

Further corrective action may be needed in the future if contamination is found that threatens human health or the environment. Please contact Gary Astin at (801) 536-4103, if you have any questions regarding this matter.

Sincerely,

Kent P. Gray, Executive Secretary (UST)
Utah Solid and Hazardous Waste Control Board

KPG/GKA/jd

cc: Robert Resendes, M.B.A., M.T., Director, Central Utah Public Health Department
Tamie Call, LUST Section

09-95



ITEM #	QUANTITY	DESCRIPTION	EXHIBIT "A"
1	3	250 GPM CARBON COLUMNS	
2	1	6' DIAMETER WASH TANK	
3	3	15 HP D-1011 WORTHINGTON PREG PUMPS, W/BACKUPS	
4	1	7 1/2 HP ALLIS CHALMERS PUMP, CARBON TRANSFER, W/ BACKUP	
5	3	TOTALIZING FLOWMETERS, DATA INDUSTRIAL, PREG SYSTEM	
6	1	1,000,000 GALLON PREG POND, HYPALON LINED	
7	1	1,000,000 GALLON BARREN POND, HYPALON LINED	
8	1	TOTALIZING FLOWMETER, DATA INDUSTRIAL, BARREN SYSTEM	
9	2	40 HP D-1011 WORTHINGTON PREG PUMPS, W/BACKUPS	
10	1	60 HP D-1011 WORTHINGTON PREG PUMPS, W/BACKUPS	
11	1	BARREN DISTRIBUTION SYSTEM, POLYETHELENE, PVC COMBINATION	
12	2	PUMPING BARGES W/ RAMPS	
13	1	4,500 #/DAY CARBON STRIPPING SYSTEM	
		a. 5 STRIP TANKS	
		b. 2 OIL FIRED HOT WATER HEATERS	
		c. 2 STRIP CIRCULATION PUMPS, BURKES W/ BACKUPS	
		d. 2 RECTANGULAR ELECTROLYTIC CELLS	
		e. 1 POWER EXHAUST SYSTEM, ELECTROLYTIC CELL AREA	
		f. TOTALIZING FLOWMETER, DATA INDUSTRIAL, STRIPPING SYSTEM	
		g. 1 HBS RECTIFIER	
14	1	6,000 GAL. VERTICAL TANK, GLYCOL STORAGE	
15	1	1,000 GAL VERTICAL TANK, STRIPPING SOLUTION STORAGE	
16	1	21,000 GAL VERTICAL TANK, LIQUID CAUSTIC STORAGE	
17	1	LINDBERG MELTING FURNACE, #30 CRUCIBLE CAPACITY, W/ ACCESSORIES	
18	1	POWER EXHAUST SYSTEM, SMELTING AREA	
19	1	BUCHNER FILTER, 36" DIAMETER	
20	1	PERISTALTIC PUMP	
21	1	10 HP EMGLO AIR COMPRESSOR	
22	1	CATHODE STORAGE BOX	
23	1	METTLER BULLION BALANCE	
24	1	VIDEO SURVEILLANCE SYSTEM, W/ RECORDER	
25	1	FLOOR SAFE	
26	1	TELEPHONE SYSTEM	
27	1	140 GPM FRESH WATER SUPPLY SYSTEM W/ PUMPS, 7 MILE 6" METAL PIPELINE	4+6
28	1	PERIMETER FENCE SYSTEM	
29	1	SAMPLE PREPERATION FACILITY, 100 SAMPLES/ SHIFT CAPACITY	
		a. 1 BICO JAW CRUSHER	
		b. 1 BICO ROTATING DISC PULVERISER	
		c. 2 DRYING OVENS	
		d. 1 POWER VENTILATION SYSTEM	
30	1	LABORATORY FACILITY, 100 SAMPLES/SHIFT CAPACITY, WET, FIRE ASSAYS	
		a. 1 PERKIN ELMER # 2280 ATOMIC ADSORPTION SPECTROPHOTOMETER	
		b. 1 LABORATORY SAMPLE SHAKER	
		c. 1 HAMILTON DIGITAL DILLUTOR	
		d. 1 BICO JAW CRUSHER	
		e. 1 LABCONCO FUME HOOD	
		f. 2 STIRRING HOT PLATES	
		g. 1 CENTRIFUGE	
		h. 1 PH METER	
		i. 1 CAHN 28 MICROBALANCE	
		j. 1 LINDBEWG ELECTRIC ASSAY FURNACE	
		k. 1 METTLER 200g. PULP BALANCE	
		l. 1 JEWELLERS ROLL	
		m. 1 REAGENTS & GLASSWARE	
31	1	WORKING INVENTORY OF PARTS FOR SYSTEM MAINTENANCE (SHED)	
32	1	WORKING INVENTORY OF HAND TOOLS FOR SYSTEM MAINTENANCE	
33	1	WORKING INVENTORY OF OFFICE EQUIPMENT AND SUPPLIES	
34	1	1978 OLYMPIC 60X100 PROCESS BUILDING	

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|----|----|---|---------------------------|
| 35 | 1 | WELL PUMP & WATER-LINE | (@ 7 miles 4+6" @ 50/50%) |
| 36 | 4 | GENERATORS | |
| 37 | 1 | 500 GALLON TANK @ PD PUMP | |
| 38 | 1 | 1000 GALLON TANK @ WATER WELL | |
| 39 | 2 | 500 GALLON TANKS @ GENERATORS (04.6-411&04.6-412) | |
| 40 | 22 | 10000 GALLON DIESEL TANKS | |
| 41 | 1 | 4000 GALLON GASOLINE TANK (UNDERGROUND) | pulled & cleaned |
| | 1 | 2500 gallon used oil tank | |
| | | antifreeze | pulled & cleaned |
| | | (underground) | |

DOGM
Received during
on-site inspection
6/6/96 from Dave
Hartshorn

DRAFT
COPY

December 29, 1995

Rody Cox
Bureau of Land Management
15 East 500 North
P.O. Box 778
Fillmore, UT 84631

RE: Reponse to Bureau' letter dated December 13, 1995

Dear Mr. Cox:

We have received and reviewed the BLM letter dated 12/13/95 and wish to comment on the issues raised in the letter

RESAMPLING OF SAMPLE DM-S-1A

The sample was collected from the south mixing tank which contains approximately 3,700 pounds of lime. The total amount of cyanide remaining in the tank was calculated to be less than 2 pounds. Jumbo will resample the tank sludge and run a Reactivity Test on it.

RESAMPLING OF SAMPLE DM-S-4

The sample was a composite of soil collected from the battery storage area. The amount of contaminated soil (rock) was determined to be 4,000 pounds and contains 0.55 pounds of lead. We will resample the material and run a Toxic Characteristic Leaching Procedure test on the sample.

UNDERGROUND STORAGE TANKS

The tanks have been removed and the underlying soil sampled. A copy of the results have already been submitted to the Bureau. DERR has sent us a letter (copy enclosed) stated that no corrective action is required at the mine.

HEAP DISCHARGE

A meeting was held with the Division of Water Quality (DWQ) on December 20, 1995 and the current status of existing heaps was discussed. I stated that a complete sampling program of heap runoff will be conducted in early spring. Larry Mize of DWQ stated that if we proceeded with our plan to restack the existing heap material on the new approved heap, then sampling of heap drainage and any possible corrective action will not be needed.

INTERIM MAINTENANCE PLAN

Since we are planning to restack the old heap material onto the new heap, reclamation will be covered under our new heap operation plan. Therefore, a revised reclamation plan for the existing heaps will not be needed.

If you have any questions, please call me at 864-4697.

Sincerely,

Dave Hartshorn
Project Manager